

U.S. Naval Base, Pearl Harbor, Ship Fuel Storage Tank  
(U.S. Naval Base, Pearl Harbor, Fleet and Industrial Supply Center)  
(Lower Tank Farm, Tank No. 17, Structure No. S733)  
South Avenue, West of Seventh Street  
Pearl Harbor  
Honolulu County  
Hawaii

HAER  
HI  
2-PEHA,  
79-

**PHOTOGRAPHS**

**WRITTEN HISTORICAL AND DESCRIPTIVE DATA**

Historic American Engineering Record  
National Park Service  
Western Region  
Department of the Interior  
San Francisco, California 94107

## HISTORIC AMERICAN ENGINEERING RECORD

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HAER  
HI  
2-PEHA,  
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HAER No. HI-33

**Location:** Lower Tank Farm on South Avenue, West of Seventh Street  
Pearl Harbor, City and County of Honolulu, Hawaii

USGS Pearl Harbor Quadrangle, Hawaii  
7.5 minutes series (orthophotoquad)  
Universal Transverse Mercator coordinates 4.607535.2361060

**Date of Construction:** 1924

**Engineer:** Unknown

**Builder:** Riter-Conley Manufacturing Company, Pittsburgh, PA

**Present Owner:** U.S. Naval Base, Pearl Harbor, Fleet and Industrial Supply Center

**Present Use:** Not in use.

**Significance:** The U.S. Naval Base, Pearl Harbor was designated as a National Historic Landmark in 1964; due to the crucial role it played in the Nation's defense during the twentieth century and the calamitous events which occurred on December 7, 1941. As a Category 3 structure, it is determined that Tank No. 17, Structure No. S733 functioned as a part of the Pearl Harbor Naval Base, but is only of minor importance to the historic character of the National Landmark.

**Report Prepared By:** Glenn Oeda, Civil Engineer  
Navy Public Works Center, Pearl Harbor  
Project Development Branch  
Pearl Harbor, Hawaii 96860-5470

**Date:** February 1995

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HAER No. HI-33

Page 2

## I. DESCRIPTION

Tank No. 17 is a circular, riveted steel tank, 106 feet in diameter and 37 feet high with a nominal capacity of 50,000 barrels. The tank is constructed on a sandbed substructure with a cone shaped roof and is part of the Lower Tank Farm which consists of four (4) similar tanks. The tank was used for storage of ship fuel oil and is serviced by a network of fuel, foam and saltwater piping.

## II. HISTORICAL INFORMATION

In 1917, the Coaling Plant and Tank Nos. 1 through 9 were constructed in the west end of the naval station. As part of an expansion project which constructed tanks 10 through 28, Tank No. 17 was constructed in 1924 by the Riter-Conley Manufacturing Company of Pittsburgh, PA as part of the Lower Tank Farm, adjacent to the Coaling Plant.

In 1935 and 1954, the Lower Tank Farm underwent rehabilitation, which included adding new pipelines.

Of the 28 original tanks, only tank nos. 10, 11, 13 and 17 remain to make up the Lower Tank Farm. Tank Nos. 10 & 11 will be converted into bilge water & Oily Waste/Waste Oil (OWWO) holding tanks to be used by the Public Works Center Pearl Harbor bilge water/OWWO processing plant. A proposed FY96 Military Construction Project (P-167) will demolish tanks 13 and 17.

## III. SOURCES

NAVFAC P-164; Detailed Inventory of Naval Shore Facilities

U.S. Naval Base, Pearl Harbor, National Historic Landmark, Historic Preservation Plan

Gammon, Jim, Fleet and Industrial Supply Center, Fuel Department, Consultation with Glenn Oeda, 6 February 1995

### Plans and Drawings

Pacific Division Drawing No. N-N24-417 (Y&D Dwg No. 622923)

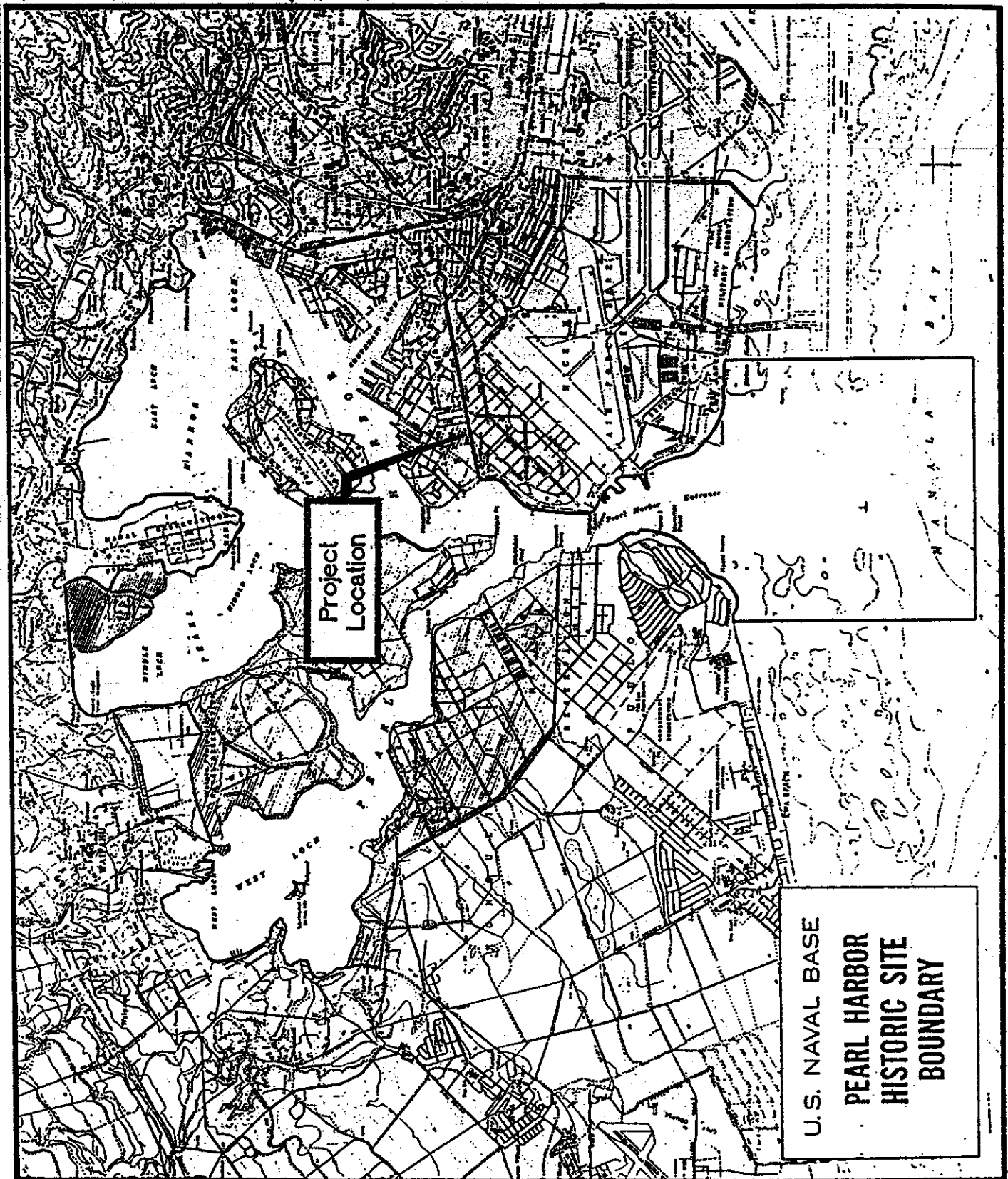
Pacific Division Drawing No. N-N24-411 (Y&D Dwg No. 622917)

Pacific Division Drawing No. N-N24-196 (Y&D Dwg No. 121372) dated 8/9/35

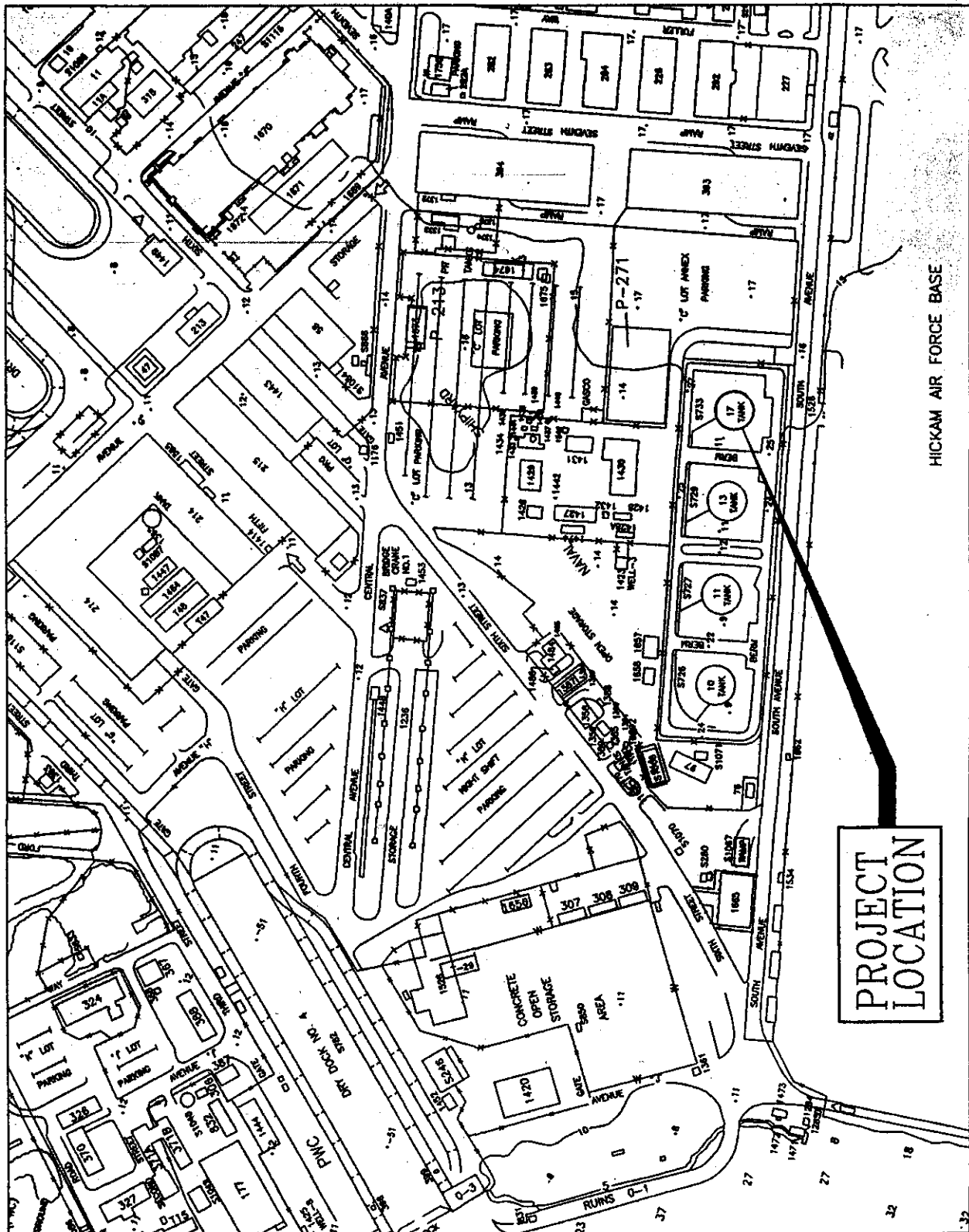
Pacific Division Drawing No. N-N24-197 (Y&D Dwg No. 121373) dated 8/9/35

Pacific Division Drawing No. N-N24-410 dated 12/23/54

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HAER No. HI-33 (Page 3)



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 HAER No. HI-33 (Page 4)



VICINITY MAP

SCALE: 1" = 400'

